



HF Happenings 854

Volume 19, Issue 12, the week of 1 July 2019

You can now download your copy of HF Happenings from www.sarl.org.za/hf_happenings.asp

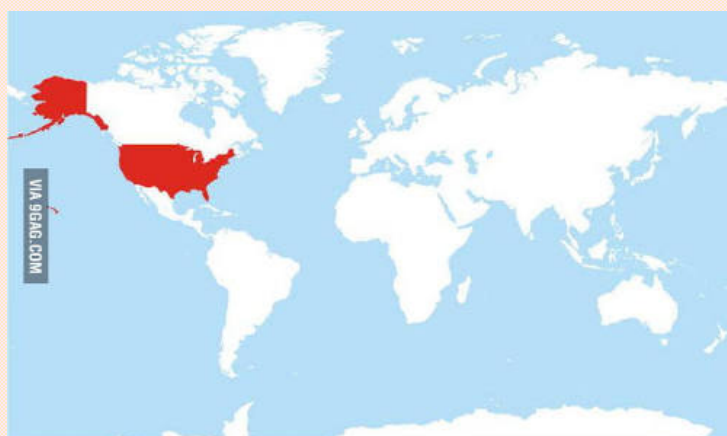
Southern African Fauna and Flora <https://zsfaunaandflora.wordpress.com/>

ZS SOTA <https://zssota.wordpress.com>

Zone 38 Award and others <https://zone38award.wordpress.com/>

Worldwide List of HF Beacons <https://iaruhfbeacons.wordpress.com/>

5 MHz (60 metre) allocations <http://www.sarl.org.za/public/contests/contestrules.asp>



This map of the World shows all the countries (marked in red) that make use of YYYY/MM/DD notation!

The South African Morse code revival is in full swing!

The CW revival has begun, visit the ZS-CW Facebook page to find out more. Contact Mike, ZS6MSW at e-mail zs6msw@gmail.com to join the fast growing WhatsApp group CW POTA/SOTA. Meet the operators on 7 035 kHz after hours and over weekends.

SARL Youth Sprint

The first Youth Sprint for 2019 was held on 16 June 2019 and the committee received 10 logs.

- 1st Jean van Heerden, ZR6RZ – 44 points
- 2nd Werner Swanepoel, ZS2WS – 38 points
- 3rd Philip van Tonder, ZS6LVT (jnr) – 31 points
- 4th Schalk van Vuuren, ZS1LL – 29 points
- 5th Clarissa Clarke, ZS6LIS; Johan Combrink, ZR6PC and Philip van Tonder, ZS6PVT (snr) – 21 points each
- 8th Roy Walsh, ZS3RW – 17 points
- 9th Karin Andrew, ZS6MMA – 13 points
- 10th Brad Mostert, ZS6WWW – 9 points

The next Youth Sprint takes place on Saturday 10 August 2019 (International Youth Day is 12 August).

July

- 1 - Start of SARL Financial Year and Membership payment is due; Closing date Top Band logs
- 1 to 7 – Vrystaat Arts Festival, Bloemfontein
- 6 – Irene Market; Durban July Horse Race; **SARL Newbie QSO Party**
- 7 – **ZS5 Sprint**; Ngwenya Country Market, Muldersdrift
- 9 - Provincial schools open
- 12 - Washie 100 Miler, Port Alfred to East London
- 13 - **RaDAR Challenge**; October RAE registration opens
- 13 and 14 - **IARU HF Championships**; Franschhoek Bastille Festival
- 15 – Commemoration of the Battle of Delville Wood - 15 to 20 July 1916; closing date Newbie and ZS5 logs
- 16 - Highway ARC Monthly Meeting
- 17 – **Wednesday 80 m Club Sprint**
- 20 - **Winter QRP contest**
- 21 - **ZS2 Sprint**
- 21 to 23 - Winter Wonderland Festival, Gordon's Bay
- 25 - **Closing date for August Radio ZS**
- 26 and 27 – Franschhoek Mystery Weekend
- 26 to 28 – Winter Celebration, Hogsback
- 27 and 28 - **RSGB Islands on the Air (IOTA) contest**
- 29 - **Closing date for RaDAR, QRP and ZS2 Sprint logs**
- 28 to 30 - Winter Wonderland Festival, Gordon's Bay

August

- 3 – Pretoria ARC Flea Market
- 4 – **SARL HF Phone Contest**
- 9 – National Women's Day; **SARL YL Sprint**
- 10 – **SARL Youth Sprint**

DXCC's Most Wanted (ClubLog)

The "DXCC Most Wanted" entities list has been updated on ClubLog as of 29 June. The list contains 340 entities. No changes this month. The complete "DXCC Most Wanted" entities list is available at <https://secure.clublog.org/mostwanted.php>. The following are the top 10 entities:

1. P5 DPRK (North Korea)
2. 3Y/B Bouvet Island
3. FT5/W Crozet Island
4. BS7H Scarborough Reef
5. CE0X San Felix Islands
6. BV9P Pratas Island
7. KH7K Kure Island
8. KH3 Johnston Island
9. FT5/X Kerguelen Island
10. 3Y/P Peter 1 Island

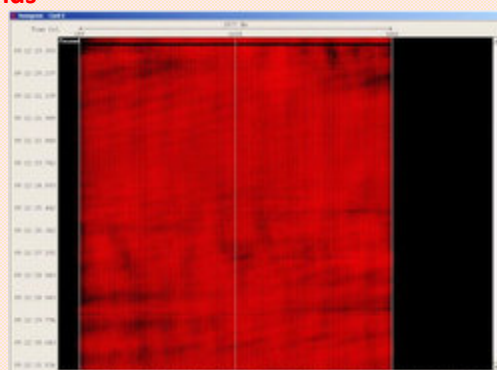
Can the ARRL not arrange with Donald Trump to discuss amateur radio in P5 with Kim Jong-un the next time they meet?

Over-the-Horizon Radars Continue to Plague Amateur Bands

The International Amateur Radio Union Region 1 Monitoring System (IARUMS) reports a "new kind" of over-the-horizon (OTH) radar on 20 metres. The intruding signal, appearing to emanate from the Far East, was monitored during May on 14,140 – 14,150 MHz. Another Chinese wideband OTH radar has been showing up on 15 metres, with a signal 160 kHz wide. An Iranian radar has appeared on 10 metres, centred on 28, 860 MHz, and is audible in Europe during sporadic-E conditions. The signal is about 46 kHz wide. The Russian OTH radar "Konteyner," centred on 14,127 MHz, continues to be observed, with a 12 kHz wide signal.

The so-called "Foghorn" OTH radar from China, first heard in 2017, and other OTH radars were spotted on several 20-metre frequencies. The Foghorn is a burst radar that has been heard on other bands, with the signal often jumping. The signal is frequency modulation on pulse (FMOP) with 66,66 sweeps-per-second bursts.

From the Commonwealth of Independent States (CIS) that emerged following the breakup of the Soviet Union, taxi traffic continues to appear on 10 metres, using FM. IARUMS said pirates in the Far East have been "abusing" 20 metres, transmitting on 14,000 MHz, using USB. IARUMS monitors also logged several fish net (driftnet) buoys between 28,000 and 28,500 MHz, transmitting a carrier followed by a CW identification. Codan selective callings (selcalls) believed to be in Oceania have been heard between 7,108 and 7,150 MHz.



*A spectrograph of the "new kind" of over-the-horizon radar on 20 metres.
[Wolf Hadel, DK2OM, image]*

African DX

Contacts with stations on the African continent count towards the SARL's All Africa Award (www.sarl.org.za/public/awards/awards.asp)

African Tour, 3DA and 7P. Pista, HA5AO, reports that he will arrive in Kingdom of eSwatini (Swaziland) on 15 September and plans to stay until 1 October. His license for the 3DA0AO call sign was issued last year. The flight and room at Mountain Inn Resort at Mbabane is booked (about 7 hours 20 minutes from Bloemfontein). His plan to start to set up antenna and station on 16 September and can be expected on the air by the evening. The station set up



contains the Elecraft K3S with a KPA500 and fed into a vertical antenna. Pista will operate on the 80 to 10 m bands using mainly CW and FT8 on the higher bands. Pista plans to be active on 21 and 22 September in the All Africa DX Contest as a Single-Op/Single-Transmitter/CW-Mode/All-Band/High-Power entry.

After the eSwatini operation Pista, HA5AO, will arrive in Lesotho on 1 October and plans to stay until 19 October. He will use again the 7P8AO call sign. Flight and room at Molengoane Lodge is also booked (about 2 hours 40 minutes from Bloemfontein). Due to other commitments the operation from Lesotho will take place during his free time mainly on CW and FT8 on the higher bands. QSL policy, Log search and OQRS is available at: <https://www.ha5ao.com>

Ghana, 9G. Members of the Slovenia Contest Club (S50A, S50R, S51DS, S51TC, S51ZJ, S54W and S57UN) will be active as 9G5W from Ghana between 16 and 27 November, including a multi-single effort in the CQ WW DX CW Contest. QSL via Club Log's OQRS, or via S54W (direct or bureau) and LoTW "later". See <https://ghana.si/> for more information.

Zambia, 9J2. Members of the Z2LA and 7P8LB team are planning a trip to Zambia between 5 and 15 March 2020. A preliminary departure date is 4 March 2020. The license application form has been received and will shortly be forwarded with requests for the 9J2LA call sign. The Web page is now available at <https://9j2la.com>. Facebook will be used for "Breaking News" the weeks before departure and during the Expedition. Updated list of operators is Rune, LA7THA (team leader), Harald, LB2HG, Svein, LA3BO, Morten, LA3MHA, Piotr, LA7RRA, Arne, LA7WCA, Svein, LA9KKA, Thor, LA9VPA, Morten, LB8DC, Christian, OE5CWO and Philipp, OE7PGI. The team will be focused on CW and FT8 for the low bands, and CW, SSB and FT8 for the higher bands.

The 9J2LA Team plans to use FT8 as the primary data mode. They will use FT8 DXpedition mode, operating as the Fox. If you hear them on the normal FT8 frequencies, they will not be using DXpedition mode and only work one station at the time. If the number of callers is high, they will announce a QSY to their DXpedition frequencies. QSOs will be uploaded to ClubLog if internet access is available. QSL via M00XO QSL service.

African Islands

IOTA Frequencies

CW: 28 040 24 920 21 040 18 098 14 040 10 114 7 030 3 530 kHz

SSB: 28 560 28 460 24 950 21 260 18 128 14 260 7 055 3 760 kHz



Walmart Parking Lots on the Air 2019

It is like déjà vu all over again! The 2nd Annual WMPLOTA will take place starting 6 July 2019 at 00:00 UTC and ending on 7 July at 23:59 UTC. WMPLOTA is now held annually on the first weekend in July. The first weekend in July was chosen for WMPLOTA, putting it forevermore in temporal proximity to 2 July, the birthday of Walmart when Sam Walton opened the first store in Rogers, Arkansas in 1962.

WMPLOTA is a special event and award scheme for Amateur Radio satellite operators that encourages the practice of portable operation in the ubiquitous and easily accessible location of Walmart parking lots. Complete information including rules can be found at www.wmplota.org or on Twitter at @WMPLOTA.

In South Africa, set up your station for WMPLOTA in the park lots of any of these stores - Game, Cambridge, DionWired, Makro, Kangela, Builders Warehouse, Builders Express, Builders Superstore, Builders Trade Depot, CBW, Rhino Cash & Carry and Jumbo Cash and Carry.

Contest Calendar

This week's contests as compiled by Bruce Horn, WA7BNM. The period covered is 1 to 8 July 2019

RAC Canada Day Contest

00:00 - 23:59 UTC 1 July

Geographic Focus: Worldwide

Participation: Worldwide

Mode: CW, Phone

Bands: 160, 80, 40, 20, 15, 10, 6, 2 m

Classes: Single Op All Band - low or high; Single Op All Band CW; Single Op All Band Phone; Single Op QRP; Single Op Single Band; Single Op Single Band QRP; Multi-Single - low or high; Multi-Multi

Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts

Exchange: VE: RS(T) and province/territory; non-VE: RS(T) and serial no

Work stations: Once per band per mode

QSO Points: 2 points per QSO with non-VE stations; 10 points per QSO with VE stations; 20 points per QSO with RAC stations

Multipliers: Each VE province/territory once per band per mode

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 31 July 2019

E-mail logs to: canadaday@rac.ca

Mail logs to: Radio Amateurs of Canada, 720 Belfast Road, Suite 217, Ottawa, Ontario K1G 0Z5, Canada

Find rules at: <https://wp.rac.ca/rac-canada-day-contest-rules-2019/>

10-10 International Spirit of 76 QSO Party

00:01 UTC 1 July to 24:00 UTC 7 July

Geographic Focus: Worldwide

Participation: Worldwide

Mode: CW, SSB, PSK31, RTTY, FM, AM

Bands: 10 m Only

Classes: Individual; Club; QRP

Max power: non-QRP: >5 watts; QRP: 5 watts

Exchange: 10-10 Member: Name, 10-10 number and state, province or country; Non-Member: Name, 0 and state, province or country

Work stations: Once per mode

QSO Points: 1 point per QSO with a non-member; 2 points per QSO with a 10-10 member

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 15 July 2019

E-mail logs to: tentencontest@ten-ten.org

Upload log at: www.hamclubs.info/scorer/

Mail logs to: Dan Morris, KZ3T, 3162 Covington Way, Lenoir, NC 28645, USA

Find rules at: www.ten-ten.org/Forms/Spirit.pdf

IQRP Quarterly Marathon

08:00 UTC 1 July to 20:00 UTC 7 July

Geographic Focus: Worldwide

Participation: Worldwide

Mode: CW, SSB, Digital

Bands: All

Classes: Single Op

Max power: 5 W

Exchange: RS(T)

Work stations: Once per mode

QSO Points: 3 points per CW QSO; 2 points per SSB QSO; 1 point per digital QSO

Multipliers: km/100 of QSO with maximum distance

Score Calculation: Total score = total QSO points x distance mult

Submit logs by: 21 July 2019

E-mail logs to: iqrpclub@arimontebelluna.it

Mail logs to: (none)

Find rules at: www.arimontebelluna.it/news/news_maratona_uk.htm

RSGB 80 m Club Championship, CW

19:00 - 20:30 UTC 1 July

Geographic Focus: United Kingdom

Participation: Worldwide

Awards: United Kingdom

Mode: CW

Bands: 80 m Only

Classes: (none)

Exchange: RST and serial no

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: (see rules)

Submit logs by: 23:59 UTC 2 July 2019

Upload log at: <http://www.rsgbcc.org/cgi-bin/hfenter.pl>

Mail logs to: (none)

Find rules at: www.rsgbcc.org/hf/rules/2019/r80_mcc.shtml

Fireflies QRP 72 Sprint

00:00 - 02:00 UTC 2 July

Geographic Focus: Worldwide

Participation: Worldwide

Mode: CW, SSB

Bands: 80, 40, 20, 15, 10 m

Classes: Single Op

Max power: 5 watts

Exchange: Firefly: RS(T), state, province or country and Firefly no; non-Firefly: RS(T), state, province or country and power out

Work stations: Once per band per mode

QSO Points: 3 points per QSO with a Firefly station; 2 points per QSO with a QRP non-Firefly station; 1 point per QSO with a QRO station

Multipliers: Each state/province/country only once

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 10 July 2019

E-mail logs to: firefliesqrp@gmail.com

Mail logs to: (none)

Find rules at: <http://ko9f.org/FF72Sprint>

ARS Spartan Sprint: 01:00 - 03:00 UTC 2 July

Geographic Focus

North America

Participation: Worldwide

Mode: CW

Bands: 80, 40, 20, 15, 10 m

Classes: Skinny; Tubby

Max power: 5 watts

Exchange: RST, state, province or country and Power

Work stations: Once per band

Submit logs by: 4 July 2019

E-mail logs to: spartansprint@yahoo.com

Mail logs to: (none)

Find rules at:

<http://arsqrp.blogspot.com/2009/02/so-whats-spartan-sprint-and-how-do-i.html>

QRP Fox Hunt

01:00 - 02:30 UTC 3 July

Geographic Focus: United States

Participation: Worldwide

Mode: CW

Bands: 20 m Only

Classes: Single Op - fox or hound

Max power: 5 watts

Exchange: RST, state, province or country, name and power output

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 02:30 UTC 4 July 2019

E-mail logs to: (see rules)

Mail logs to: (none)

Find rules at:

www.qrpfoxhunt.org/summer_rules.htm

Phone Fray

02:30 - 03:00 UTC 3 July

Geographic Focus: North America

Participation: Worldwide

Mode: SSB

Bands: 160, 80, 40, 20, 15 m

Classes: Single Op

Max power: 100 watts

Exchange: NA: Name and state, province or country; non-NA: Name

Work stations: Once per band

QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station

Multipliers: Each US state (including KH6/KL7) once per band; Each VE province/territory once per band; Each North American country (except W/VE) once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 03:00 UTC 5 July 2019

E-mail logs to: (none)

Post log summary at: www.3830scores.com

Mail logs to: (none)

Find rules at:

www.perluma.com/Phone_Fray_Contest_Rule_s.pdf

CWops Mini-CWT Test

13:00 - 14:00 UTC and 19:00 - 20:00 UTC 3 July and 03:00 - 04:00 UTC 4 July

Geographic Focus: Worldwide

Participation: Worldwide

Awards: Worldwide

Mode: CW

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Op - QRP, low or high

Max power: HP: >100 watts; LP: 100 watts;

QRP: 5 watts

Exchange: Member: Name and member no;
non-Member: Name and state, province or
country

Work stations: Once per band

QSO Points: 1 point per QSO

Multipliers: Each call once

Score Calculation: Total score = total QSO
points x total mults

Submit logs by: 04:00 UTC 6 July 2019

Post log summary at: www.3830scores.com

Mail logs to: (none)

Find rules at: <https://cwops.org/cwops-tests/>

NRAU 10 m Activity Contest

17:00 - 18:00 UTC (CW) and 18:00 - 19:00 UTC
(SSB) and 19:00 - 20:00 UTC (FM) and 20:00 -
21:00 UTC 4 July (Dig)

Geographic Focus: Nordic Europe

Participation: Worldwide

Mode: CW, SSB, FM, Digital

Bands: 10 m Only

Classes: (none)

Exchange: RS(T) and 6-character grid square

QSO Points: (see rules)

Multipliers: (none)

Score Calculation: Total score = total QSO
points

Submit logs by: 18 July 2019

Upload log at:

http://ua9qcq.com/en/submit_log.php?lang=en

Mail logs to: (none)

Find rules at: www.nrau.net/activity-contests/below-30mhz.html

SKCC Sprint Europe

19:00 - 21:00 UTC 4 July

Geographic Focus: Europe

Participation: Worldwide

Mode: CW

Bands: 160, 80, 40, 20, 15, 10, 6 m

Classes: (none)

Exchange: RST, state, province or country,
name and SKCC no or power

Work stations: Once per band

QSO Points: (see rules)

Multipliers: Each state, province, or country
once

Score Calculation: Total score = (total QSO
points x total mults) and bonus points

Submit logs by: 11 July 2019

E-mail log summary to: (none)

Post log summary at:

www.skccgroup.com/operating_activities/skse/submit-display.php?submit_id=165

Mail logs to: (none)

Find rules at:

www.skccgroup.com/operating_activities/skse/

NCCC RTTY Sprint

01:45 - 02:15 UTC 5 July

Geographic Focus: North America

Participation: Worldwide

Mode: RTTY

Bands: (see rules)

Classes: (none)

Exchange: Serial no, name and QTH

Score Calculation: Total score = total QSO
points x total mults

Submit logs by: 7 July 2019

E-mail logs to: (none)

Post log summary at: www.3830scores.com/

Mail logs to: (none)

Find rules at:

www.ncccsprInternationalcom/rttyns.html

NCCC Sprint

02:30 - 03:00 UTC 5 July

Geographic Focus: North America

Participation: Worldwide

Mode: CW

Bands: (see rules)

Classes: (none)

Exchange: Serial no, name and QTH

Score Calculation: Total score = total QSO
points x total mults

Submit logs by: 7 July 2019

E-mail logs to: (none)

Post log summary at: www.3830scores.com/

Mail logs to: (none)

Find rules at:

www.ncccsprInternationalcom/rules.html

Venezuelan Independence Day Contest

00:00 - 23:59 UTC 6 July

Geographic Focus: Worldwide

Participation: Worldwide

Mode: CW, SSB, PSK

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Op All Band - CW, SSB, PSK or mixed; Single Op Single Band - CW, SSB, PSK or mixed; Multi-Single; SWL
Exchange: RS(T) and serial no
Work stations: Once per band per mode
QSO Points: 1 point per QSO with same country; 3 points per QSO with different country, same continent; 5 points per QSO with different continent
Multipliers: Each Venezuelan call area and each DXCC country once per band
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 16 July 2019
E-mail logs to: contestyv@gmail.com
Mail logs to: Radio Club Venezolano, Concurso Independencia de Venezuela, PO Box 20285, Caracas 1020-A, Venezuela
Find rules at:
<http://yv5rcv.org/reglasindep.aspx>

FISTS Summer Slow Speed Sprint
00:00 - 04:00 UTC 6 July
Geographic Focus: United States/Canada
Participation: Worldwide
Awards: United States/Canada
Mode: CW
Bands: 80, 40, 20, 15, 10 m
Classes: QRP; QRO; Club
Max power: QRO: 100 watts; QRP: 5 watts
Exchange: FISTS: RST, state, province or country, first name and FISTS no; non-FISTS: RST, state, province or country, first name and power
Work stations: Once per band
QSO Points: 5 points per QSO with FIST member; FIST members: 2 points per QSO with non-FIST member
Multipliers: Each US state and VE province once; Each DXCC country once
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 5 August 2019
E-mail logs to: w2dab@fistsna.org
Mail logs to: FISTS Sprint Log, c/o Dave Bamford W2DAB, 444 East 75 Street, 16F, New York, NY 10021, USA
Find rules at:
<http://fistsna.org/operating.html#sprints>

DL-DX RTTY Contest

11:00 UTC 6 July to 10:59 UTC 7 July
Geographic Focus: Worldwide
Participation: Worldwide
Mode: RTTY
Bands: 80, 40, 20, 15, 10 m
Classes: Single Op Multi-Band Single Radio; Single Op Multi-Band 6 Hrs Single Radio; Single Op Multi-Band Dipole Single Radio; Single Op Multi-Band Dipole 6 Hrs Single Radio; Single Op Multi-Band; Multi-Single; Multi-Multi
Exchange: RST and QSO no
Work stations: Once per band
QSO Points: 5 points per QSO with same country; 10 points per QSO with different country same continent; 15 points per QSO with different continent; EU Stations: Add 3 QSO points for QSO with DL station; non-EU Stations: Add 5 QSO points for QSO with DL station
Multipliers: Each DXCC country once per band; Each VK, VE, JA and W call area once per band
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 14 July 2019
E-mail logs to: logs@drcg.de
Mail logs to: (none)
Find rules at: www.drcg.de/dldxrtty/dl-dx-rtty-english.html

Marconi Memorial HF Contest
14:00 UTC 6 July to 14:00 UTC 7 July
Geographic Focus: Worldwide
Participation: Worldwide
Mode: CW
Bands: 160, 80, 40, 20, 15, 10 m
Classes: Single Op All Band - QRP, low or high; Single Op Single Band – high; Multi-Op
Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts
Exchange: RST and serial no
QSO Points: 1 point per QSO
Multipliers: Each CQ WW country once per band
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 14:00 UTC 21 July 2019
E-mail logs to: (none)
Upload log at: www.arifano.it/uplog.php
Mail logs to: (none)
Find rules at:
www.arifano.it/contest_marconi.html

Original QRP Contest
15:00 UTC 6 July to 15:00 UTC 7 July
Geographic Focus: Worldwide
Participation: Worldwide
Mode: CW
Bands: 80, 40, 20 m
Classes: Single Op – VLP, QRP or MP –
Handmade or Open
Max operating hours: 15 hours
Max power: VLP: 1 W; QRP: 5 W; MP: 20 W
Exchange: RST and serial no and "/" and Power
category
QSO Points: QSO with station who submits log:
4 points; QSO with station that does not
submit log: 1 point; 15% bonus for use of
TR/TRX assembled from kit; 30% bonus for use
of unique handmade TR/TRX
Multipliers: DXCC Countries: 2 mult points if
station submits log, 1 mult point if no log
Score Calculation: Total score = total QSO
points x total mult points
Submit logs by: 31 July 2019
E-mail logs to: qrpcc@qrpcc.de
Mail logs to: Lutz Gutheil, DL1RNN, Bergstrasse
17, D-38446 Wolfsburg, Germany

Find rules at:

www.qrpcc.de/contestrules/oqrpr.html

PODXS 070 Club 40 m Firecracker Sprint
20:00 UTC 6 July to 20:00 UTC 7 July
Geographic Focus: Worldwide
Participation: Worldwide
Mode: PSK31
Bands: 40 m Only
Classes: QRP; Low Power; Medium Power;
High Power
Max operating hours: 6
Max power: High Power: 100 watts; Medium
Power: 50 watts; Low Power: 25 watts; QRP: 5
watts
Exchange: RST and state, province or country
QSO Points: 1 point per QSO
Multipliers: Each state, province and DXCC
country once only
Score Calculation: Total score = total QSO
points x total mults
Submit logs by: 14 July 2019
Upload log at: <http://hamclubs.info/scorer>
Mail logs to: (none)
Find rules at: [www.podxs070.com/o70-club-
sponsored-contests/40 m-firecracker-sprint](http://www.podxs070.com/o70-club-sponsored-contests/40-m-firecracker-sprint)

Next Week's Contests

Phone Fray, 02:30 - 03:00 UTC 10 July
CWops Mini-CWT Test, 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 10 July and 03:00 - 04:00 UTC 11 July
RSGB 80 m Club Championship, SSB, 19:00 - 20:30 UTC 10 July
QRP Fox Hunt, 01:00 - 02:30 UTC 12 July
NCCC RTTY Sprint, 01:45 - 02:15 UTC 12 July
NCCC Sprint, 02:30 - 03:00 UTC 12 July
FISTS Summer Unlimited Sprint, 00:00 - 04:00 UTC 13 July
SKCC Weekend Sprintathon, 12:00 UTC 13 July to 24:00 UTC 14 July
IARU HF World Championship, 12:00 UTC 13 July to 12:00 UTC 14 July
QRP ARCI Summer Homebrew Sprint, 20:00 - 23:00 UTC 14 July
4 States QRP Group Second Sunday Sprint, 00:00 - 02:00 UTC 15 July

*Items used with acknowledgement to the ARRL Letter, the ARRL DX News, the ARRL Contest Update,
OPDX Bulletin, 425 DX Bulletin, DXNL Newsletter, WIA-News, the RSGB News, DxCoffee, Southgate
ARC News, DX World and the Amateur Radio Newsletter*